

Human MSWLLFLAHRVALAALPCRRGSRGFMFYAVRRGRKTGVFLTWNECRAQVDRFPAARFKKFATEDEAWAFVRKSAS  
 Chicken MLRWL-----VAL-LSHSCFVSKGGGMFYAVRKGRQTGVYRTWAECCQQVNRFPFSASFKKFATEKEAWAFVGAGPP  
 Yeast MARQGNFYAVRKGRGTGIYNTWNECKNQVDGYGGAIYKKNFSYEQAQKSFGLGQNT  
 Mouse EST GICGLGMFYAVRRGRRRPGVFLSWSECKAQVDRFPAARFKKFATEDEAWAFVRSRSS

Human PEVSEGHENHQESEA KPGKRLREPLDGDG-----  
 Chicken DGQQSAPAEETHGASAVAQENASHREEPETDV-----  
 Yeast TSNYGSSSTHAGGQVSKPHTTQKRVHRRNRPLHYSSLTSSACSSLSSANTNTFYVKS NVPNIESKIFNNMKDCQA  
 Mouse EST PDGSKGQESAHEQKSQA KTSKRPREPL

Human -----HESAQPYAKHMKPSVEP-APPVSRDTFSYMGDFVVVYTDGCCSSNGRRKPRA  
 Chicken -----LCCNACKRPYEQSTNEEHTVRRAKH--DEEQSTPVVSEAKFSYMGFAVVYTDGCCSGNGRNRARA  
 Yeast YVKHKRGITFKKFEDQLAAENFISGMSAHDY-KLMNISKESFESKYKLSSNTMYNKS MNVYCDGSSFGNGTSSSRA  
 E.coli MLKQVEIFTDGSCGLGNPGPGGYG  
 Mouse EST VVYTDGCCSSNGRRKARA

Human GIGVYWGPHPLNVGI-RLPGRQTNQRAEIHAAACKAIEQAQTQNNIN-----KLVLTYDTSMTFINGITNWVQGWKKN  
 Chicken GIGVYWGPHPLNISE-RLPGRQTNQRAEIHAAACKAIEQAQSNIK-----KLIIYTDTSKFTINGITSWVENWKTN  
 Yeast GYGAYFEGAPEENISEPLLSGAQTNNRAEIEAVSEALKKIWEKLTNEKEKVNYQIKTDSYVTKLLNDRYMTYDNK  
 E.coli AILRYRGREKTF SAGY---TRTTNNRMELMAAI VALEALKEHC-----EVLSTDSQYVRQGITQWIHNWKKR  
 Mouse EST GIGVYWGPHPLNVRI-RLPGRQTNQRAEIHAAACKAVMQAQAQNIS-----KLVLTYDTSMTFINGITNWVQGWKKN

Human \* \*  
 Chicken GWKTSAGKEVINKEDFVALERL-----TQGMDIQWMHVPGHSGFIGNEEADRLAREGA-KQSED  
 Yeast GWRTSSGGSVINKEDFQKLDL-----SKGIEIQWMHIPGHAGFQGNNEADRLAREGASQKL  
 E.coli KLEGLPNSDLLIVPLVQRFVKVKKYYELNKECFKNNNGKFQIEWVKGHGDDPGNEMADFLAKKGASRR  
 Mouse EST GWKTADKKPVKNVDLWQRLDAA-----LGQHQIKWVWVKGHAGHPENERCDELARAAAMNPTLEDTG YQVEV  
 GWRTSTGKDVINKEDFMELDEL-----TQGMDIQWMHIPGHSGFVGNEE

FIG. 1